



## PLE PLUS ISOVER STONE WOOL BOARDS

Designation code CE: MW - EN 13162 - T3 - MU1

### TECHNICAL SPECIFICATION

Boards made from ISOVER stone wool. The boards are obtained by melting the mineral raw materials in a furnace, fiberizing the melt by REX process, spraying a binder and adding mineral oils for protection against dust and water repellence. The mineral fibers mat is processed into boards which are packaged on the production line.

### BENEFITS

- high thermal insulation performance (low thermal conductivity);
- fire safety - non combustible material;
- excellent acoustic properties (high absorption coefficient);
- easy to handle, non-toxic;
- low vapour flow resistance;
- long term resistance in vertical position;
- environment friendly and hygienic;
- completely hydrophobic - is made water repellent;
- long life span and time-stable properties;
- resistant to mold, mildew, rodents and insects;
- chemically neutral, non-corrosive;
- easy workability - can be cut, drilled etc.;

### PACKAGING, TRANSPORT, WAREHOUSING

ISOVER PLE PLUS boards are packaged in PE foil. The boards must be transported and stored avoiding contact with water or other damage.

### APPLICATION

ISOVER PLE PLUS boards are used for thermal, acoustic and fire insulation in civil and industrial buildings:

- partition walls with specified fire resistance performances;
- wooden houses walls;
- pitched roofs and attics;
- metallic buildings walls;



### CERTIFICATES, STANDARDS, APPROVALS

Certificate of constancy of performance:  
1840-CPR-99/91/EC/0114-07

Certificate of Management System  
ISO 9001:2015  
ISO 14001:2015  
ISO 45001:2018

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### TECHNICAL PARAMETERS

PARAMETER	UNIT	VALUE
THERMAL INSULATION PROPERTIES		
Declared thermal conductivity - $\lambda_D$	W/(m•K)	0.038
FIRE SAFETY PROPERTIES		
Reaction to fire	-	A1
Melting temperature	°C	> 1000
ALTE PROPRIETĂȚI		
Water vapor diffusion resistance factor $\mu$ , MU	-	1
Maximum temperature for use	°C	200
Chemical behavior	Chemically neutral. Does not retain moisture. Allows vapors diffusion.	

### DIMENSIONS AND PACKAGING

Product	Thickness (mm)	Length x Width (mm)	Quantities (m2/package)	Number of packs/pallet	Quantities (m2/pallet)	Declared thermal resistance $R_D$ (m2•K/W)
PLE PLUS	50	1000 x 600	7.2	8	57.6	1.30
PLE PLUS	60	1000 x 600	4.8	10	48.0	1.55
PLE PLUS	80	1000 x 600	3.6	10	36.0	2.10
PLE PLUS	100	1000 x 600	3.6	8	28.8	2.60
PLE PLUS	120	1000 x 600	3.0	8	24.0	3.15
PLE PLUS	140	1000 x 600	2.4	8	19.2	3.65
PLE PLUS	150	1000 x 600	2.4	8	19.2	3.90
PLE PLUS	160	1000 x 600	1.8	10	18.0	4.20
PLE PLUS	180	1000 x 600	1.8	8	14.4	4.70
PLE PLUS	200	1000 x 600	1.8	8	14.4	5.25
PLE PLUS	220	1000 x 600	1.2	10	12.0	5.75
PLE PLUS	240	1000 x 600	1.2	10	12.0	6.30
PLE PLUS	250	1000 x 600	1.2	10	12.0	6.55

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This document contains only general recommendations and does not address special circumstances.

Prior to installation, please ensure that you have thoroughly read and understood the specifications of your project, that you have tested the product for your specific purpose, and that the selected product will enable the required outcome.

The information presented in this document does not constitute a guarantee as to certain properties of the product or compatibility for a specific use, hence Saint-Gobain Group cannot be held responsible for the quality of the installation works.

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